MEMO TO : File
Minnkota Power Cooperative

FROM : Steven F. Weber, Manager SW
Air Quality Impact
Div. of Environmental Engineering

RE : Revision of Calpuff Class I Modeling Results to Eliminate Impact of Milton R. Young Station

DATE : February 25, 2000

Calpuff Class I area modeling results were revised to eliminate the contribution of Milton R. Young Station. A further revision was performed to eliminate the combined impact of Milton R. Young, Leland Olds, and Stanton Stations. The effect of these two exercises are shown in the attached tables, where the revised scenarios are compared with the original results. Note that the second revision results in compliance with PSD Class I increments at Fort Peck and Medicine Lake Class I areas.

SFW:saj
xc/enc: Jeff Burgess
Dana Mount
Terry O'Clair
Tom Bachman
Rob White
Francis Schwindt

EXHIBIT E

Calpuff Class I Increment Results SO_2*
($\mu g/m^3$)

	Lostwood Wilderness Area			Medicine Lake Wilderness Area			Fort Peck Reservation		
	①	②	③	①	②	③	①	②	③
3-hr Predictions									
Highest	38.5	36.8	33.7	39.4	34.4	26.9	34.3	31.0	23.0
High, 2nd High	34.3	29.1	23.8	30.2	25.1	19.4	33.5	29.7	20.3
Max # of Exceedances**	5	5	1	2	2	1	2	2	0
24-hr Predictions									
Highest	9.4	8.3	7.2	10.6	9.1	7.2	11.5	11.0	8.9
High, 2nd High	8.6	7.2	5.8	7.1	6.0	4.9	7.4	6.4	4.7
Max # of Exceedances**	15	7	3	4	3	1	4	3	1
Max Annual Prediction	0.74	0.59	0.54	0.26	0.20	0.18	0.28	0.22	0.20

- PSD Class I increments for SO_2 are 25 $\mu g/m^3$, 5 $\mu g/m^3$, and 2 $\mu g/m^3$ for 3-hour, 24-hour, and annual averages, respectively.

** Worst-case receptor, year.

① Original results.
② Original results without contribution of Milton R. Young plant.
③ Original results without contribution of Milton R. Young, Leland Olds, and Stanton plants.